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51 cgagcugccg caggaagcgu uccucgccau ucugcacguc ggcaaagaca  
101 acaaauaacc cuuaggaguu ggcauggcga auauguuugc ccugauucug  
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301 cuggaaaccg gugcuucugu uuuuccggua cuggcuauccg uauugauugu  
351 gcguucguuu auuuangaac cguuccagau cccgucaggu ucgaugaugc  
401 cgacucuguu aaugggugau uuuaucugg uagagaaguu ugcuauggc  
451 auuaaagau cuaucuacca gaaaacgcug aucgaaaacg gucauccgaa  
501 acgcggcgau aucguggucu uaaaauaacc ggaagaucca aagcuu

FIGURE 1

1   cugcaggcug agguuguugc cuuacaaaug caacaacgac auggauuaca  
 51   acacccucau aaacaaaggg caaucaccug aucuaagcuc uuaccuauga  
 101   cagugauagg uuaugccuuu uacucgacuu uugcacugac ugaaaaggac  
 151   aaauuaaugu uaaaaaagau acuuuuacug gcucugcuuc cugcaaucgc  
 201   cuucgcagag gaacuuccug cuccaguaaa agcgauugaa aaacagggca  
 251   uuacaaucau caaaacaauu gaugcccccg gaggaaugaa agguuauuc  
 301   ggaaaguauu aggauauggg cgucaccauc uaccugacuc cagaugguaa  
 351   gcacgcuauc ucugguuaca uguacaacga gaaaggugaa aaccugagua  
 401   acacacuuau cgaaaaagaa auuuacgcac cagccggacg cgaaaugugg  
 451   caacggauug aacaauccca cuggcuccuc gacgguaaaa aagaugcgcc  
 501   ggucauuguc uacgucuucg ccgauccguu cugcccauau uguaaacagu  
 551   ucuggcagca ggcgcgcccc ugguuagauu cuggcaaagu gcaauuaaga  
 601   acauuguugg uugggguuau caagccagaa agcccggcgz cagcagcggc  
 651   aaauucuugc uccaaagauc ccgcaaaaac cuggcaacaa uaugaagccu  
 701   cugguggcaa gcuu

Figure 2

1 ctgcaggctg aggtgttgcc cttacaaatg caacaacgac atggattaca  
51 acaccctcat aaacaaaggg caatcacctg atctaagctc ttacctatga  
101 cagtgatagg ttatgccttt tactcgactt ttgcactgac tgaaaaggac  
151 aaattaatgt taaaaaagat acttttactg gctctgcttc ctgcaatcgc  
201 cttcgcagag gaacttcctg ctccagtaaa agcgattgaa aaacagggca  
251 ttacaatcat caaacattc gatgcccccg gaggaatgaa aggttatctc  
301 ggaaagtatc aggatatggg cgtcaccatc tacctgactc cagatggtaa  
351 gcacgctatc tctgggttaca tgtacaacga gaaagggtgaa aacctgagta  
401 acacacttat cgaaaaagaa atttacgcac cagccggacg cgaaatgtgg  
451 caacggatgg aacaatccca ctggctcctc gacggtaaaa aagatgcgcc  
501 ggtcattgtc tacgtcttcg ccgatccgtt ctgccatat tgtaaacagt  
551 tctggcagca ggcgcgcccc tgggtagatt ctggcaaagt gcaattaaga  
601 acattgttgg ttgggggttat caagccagaa agcccggcgz cagcagcggc  
651 aattcttgcc tccaaagatc ccgcaaaaac ctggcaacaa tatgaagcct  
701 ctggtggcaa gctt

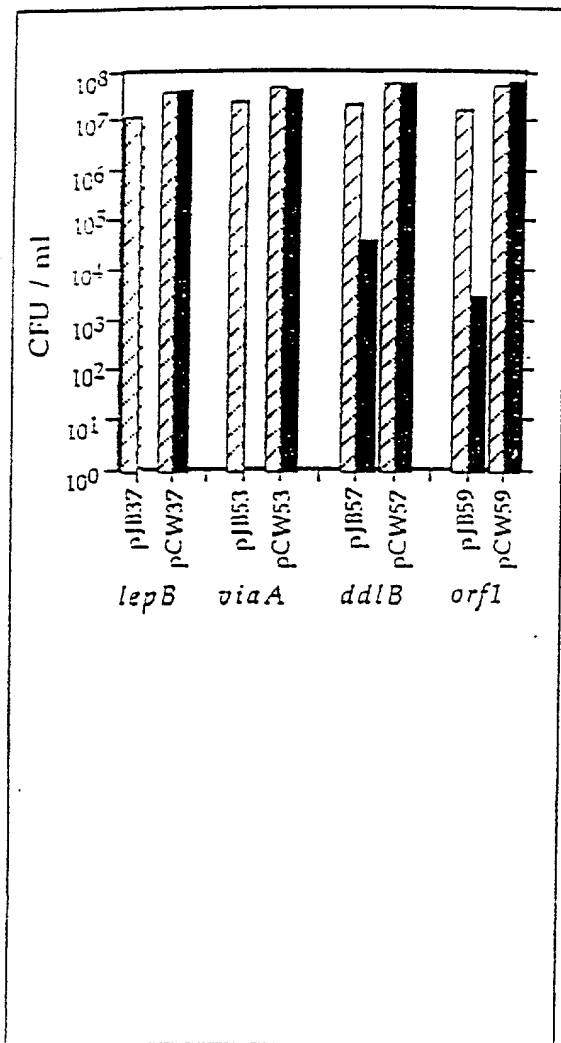
FIGURE 3

1 gaauucguac uaccaacugc gagaagcuca uaccugccug acgugccgcc  
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101 cagauaaaac uguccaucgc uguccagcau aacgucaaua cguccccauc  
151 cuuugcaacc uaacgucguc caugcuuua gcacuaaugc cugcaauuug  
201 gccucuugug acgcuuccag accugcgggg cagaaauacu gugucucauc  
251 agagagauac uucgcccuaa aaucauagaa gguuccggac gguugaauac  
301 guauugacgg uaaaauuucu ucaccgagua ucgcaaccgu gaacuccggc  
351 ccacuuagcc auuuuucaau cauacuucu ucaucgugcu gaaugccaa  
401 ucuaaagca ucuuguagag cauuuucugc uacuacuuu gacauuccca  
451 cacuggaacc uucgcggcuc ggcuaaacga uaaccggcaa acccagagca  
501 gaaauuucug cuaacugcuu aucgcucagg ccuuuuucaa acucugcgcg  
551 gguuaacgcu acccacggcg cgaccgguaa accggcaccu ugccaauagaa  
601 guuugcugcg uaguuuaucc auugaaagcg cagaugccau cacuccgcuu  
651 ccgguauaag scaagcccau cagcucgagc auccccugca gcguaccauc  
701 uucaccgccg cgaccgugua gcgcgauaaa cacuuucuga aagcccaucg  
751 acuucaguug cgucacgucg acuucuuucg gguccgacag auacgcguca  
801 auaccgccuu cacgcagucc ggcuaacacc gcugcgccag aaauucagaga  
851 aacuucccg cagcgaggag ucccacccaa caggaccgcg auuuuauag  
901 ucauguuguu cuuccuccgg aguuugcggc uucaguuuga uuucagcuaa  
951 agaacgggca auuuuuccaa uauuaccagc cccugaacg agaaucaggu  
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FIGURE 4

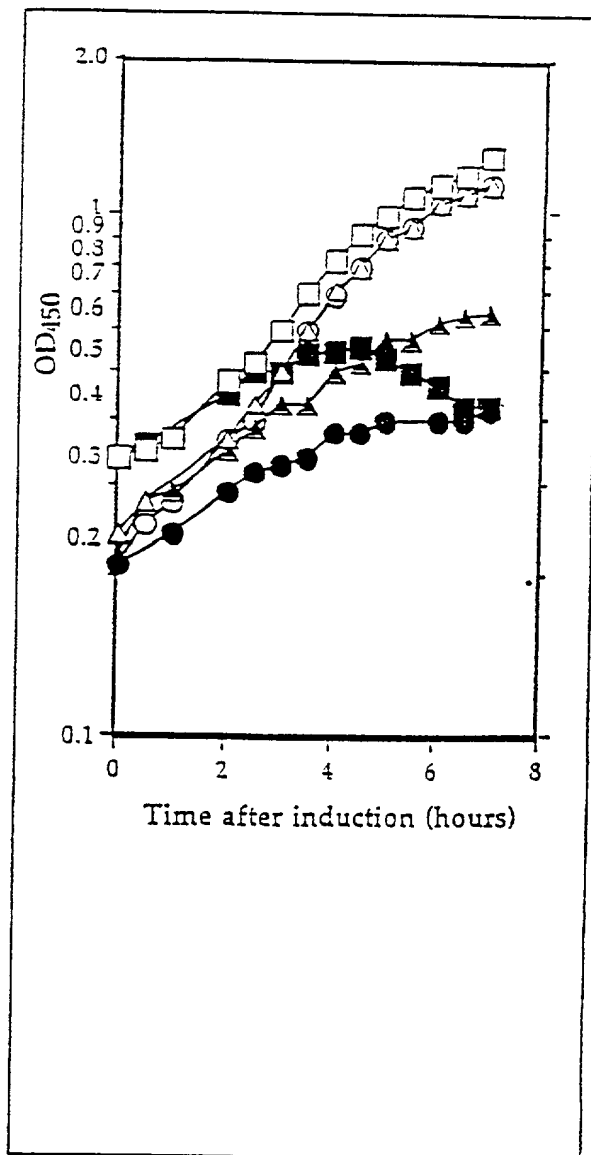
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201 gcacguugcc cugggacacg ucagcauaca guuggcuaac gaugauuugc  
251 agauuaaccg ggccauucg accaaccaug uaaccacgcg cggucaucug  
301 uuuuuccagc acuucuugca gcaggaaacg cagaucgcgg gaggcgguca  
351 ggguaacgau uugauuauugc cgggugacuu uugccagcgc cugaucggua  
401 cgcugaucgg caccauuaau gcuuacggug acgcccauca ggcuuuggauc  
451 c

FIGURE 5



□ - IPTG  
 ■ + IPTG

FIGURE 6



*lepB* pJ337 —□— pJ337 + IPTG —■—  
*ddlB* pJ337 —○— pJ337 + IPTG —●—  
*orf1* pJ337 —△— pJ337 + IPTG —▲—

FIGURE 7

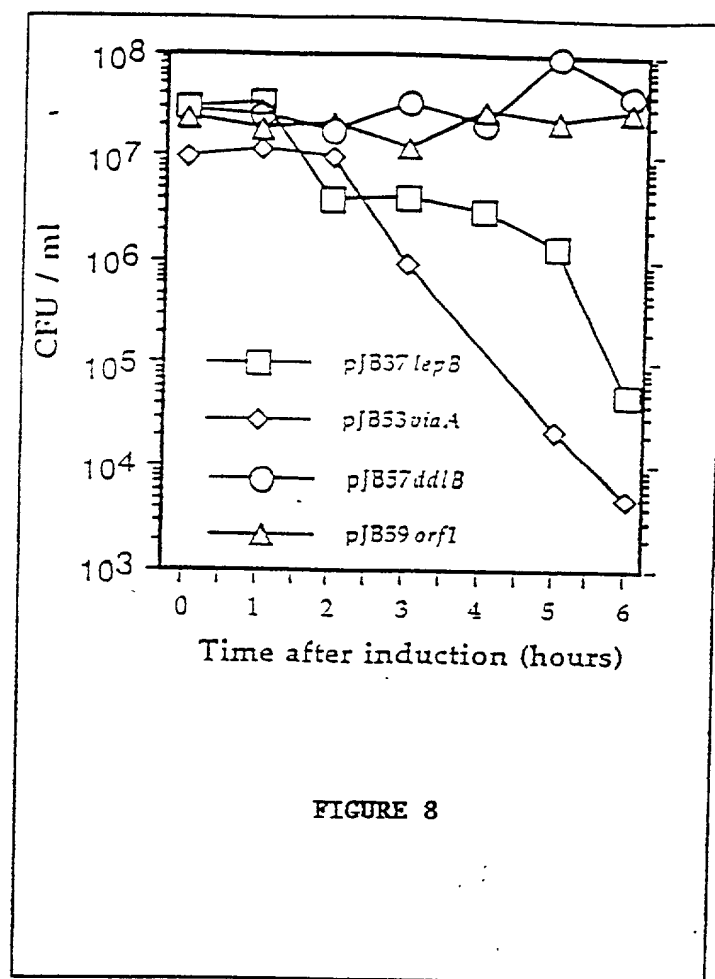


FIGURE 8

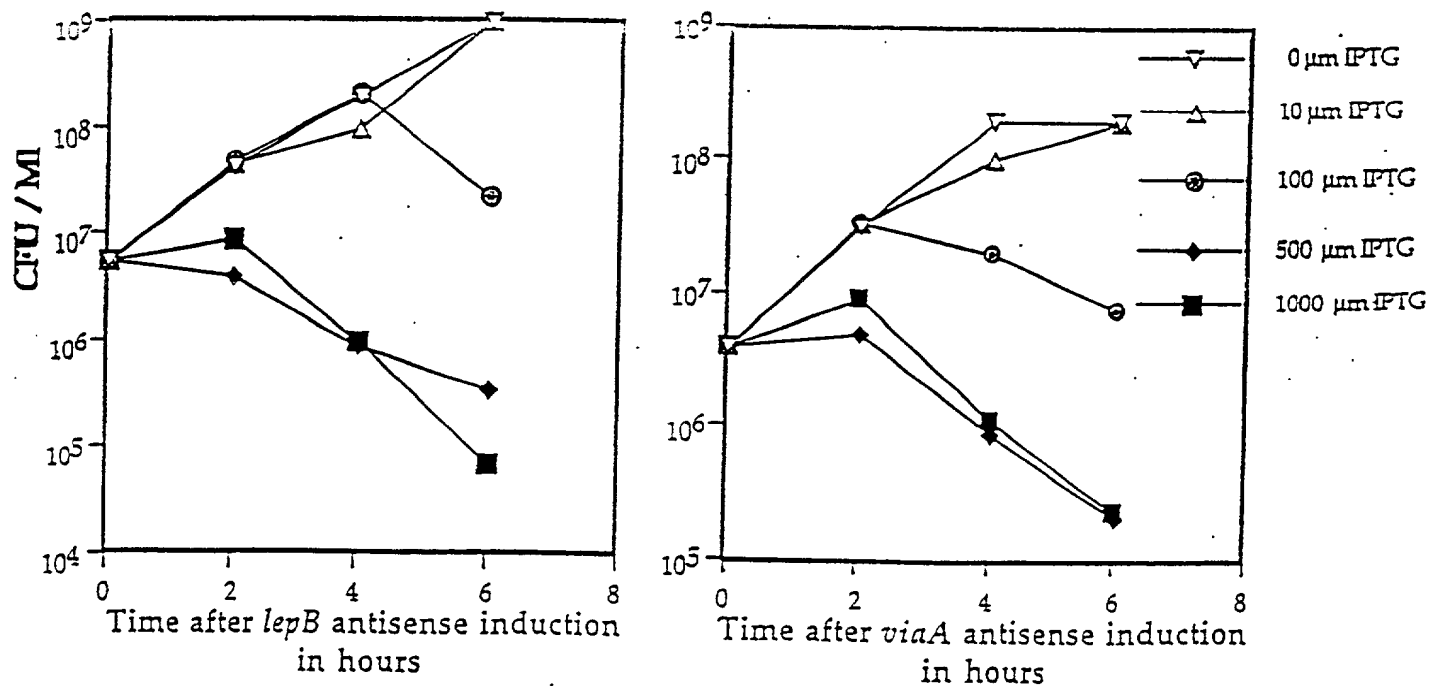


FIGURE 9

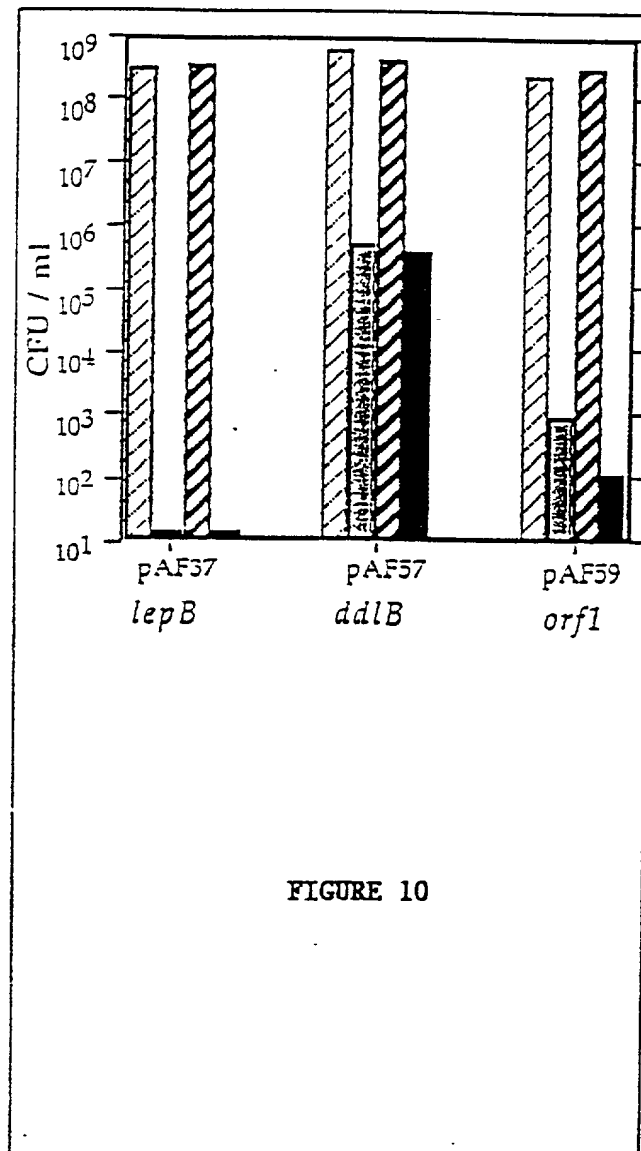


FIGURE 10



1 ctgcaggctt taatgataag atttgtgcgc taaatacgtt tgaatatgat  
51 cgggatggca ataacgtgag tggaatactg acgcgctggc gacagtttgg  
101 taaacgctac ttctggccgc atctcttatt agggatgggt gcggcgagtt  
151 taggtttgcc tgcgctcagc aacgccgcgc aaccaaacgc gcccgcaaaa  
201 gcgacaaccc gcaaccacga gccttcagcc aaagttaact ttgggtcaatt  
251 ggccttgctg gaagcgaaca cagccgcgc gaattcgaac tattccgttg  
301 attactggca tcaacatgcc attcgcaagg taatccgtca tctttcttcc  
351 gcaatggcac cgcaaact gcccgttgct gaagaatctt tgcctcttca  
401 ggcgcaacat cttgcattac tggatacgtc cagcgcgctg ctgacccagg  
451 aaggcacgcc gtctgaaaag ggttatcgca ttgattatgc gcattttacc  
501 ccacaagcaa aattcagcac gccggtctgg ataagccagg cgcaaggcat  
551 ccgtgctggc cctcaacgcc tcacctaca acaataaacc tttacttcat  
601 tttattaact ccgcaacgcg gggcgtttga gattttatta tgctaataca  
651 attgttaact aaagttttcg gtatcgtaa cgatcgacc ctgcgcgga  
701 tgcgcaaagt ggtcaacatc atcaatgcca tggaaccgga gatggaaaaa  
751 ctctccgacg aagaactgaa agggaaaacc gcagagtttc gtgcacgtct  
801 ggaaaaaggc gaagtgcctg aaaatctgat cccgga

FIGURE 11

1 uccgggauca gauuuuccag cacuucgccu uuuuccagac gugcacgaaa  
51 cucugcgguu uucccuuua guucucguc ggagaguuu uccaucuccg  
101 guuccauggc auugaugaug uugaccacu ugcgcauccg gcgcagggug  
151 cgauCGUuac gacuaccgaa aacuuuaguu aacaauuuga uuagcauaau  
201 aaaaucucaa acgccccgcg uugcgagauu aaauaauga aguaaagguu  
251 uauuguuguu agguagaggcg uugagggcca gcacggaugc cuugcgccug  
301 gcuuauccag acggcgugc ugaauuuugc uuguggggua aaaugcgcau  
351 aaucaaugcg auaaccuuu ucagacggcg ugccuuccug ggucagcagc  
401 gcgcugagcg uauccaguaa ugcaagaugu ugcgccugaa gaggcaaaga  
451 uucucagca acgggcagug uuugcgugc cauugcgaaa gaaagaugac  
501 ggauuaccgu gcgaauggca uguugaugcc aguaaucaac ggaauaguuc  
551 gaauucgggc ggcguuguu cgcuccagc aaggccaauu gaccaaaguu  
601 aacuuuggcg gaaggcucgu gguugcggu ugucgcuuu gcggcgcggu  
651 uugguucggc ggcguugcug agcgcaggca aaccuaaacu cgccgcaacc  
701 auccuaaua agagaugcg ccagaaguag cguuaccaa acugucgcca  
751 gcgcgucagu auccacuca cguuauugcc auccgauca uauucaaacg  
801 uauuuagcg aaaaucua ucauuaaagc cugcag

FIGURE 12